

# Work Order ID 77658

**\*77658\***

Page 1

Wednesday, December 14, 2011 10:40:02 A

Item ID: D350-607-045 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Heli-Utility-Basket, LH/RH  
Start Date: 12/14/2011 Start Qty: 1.00 **\*1\*** Cust Item ID:  
Required Date: 1/6/2012 Req'd Qty: 1.00 **\*1\*** Customer:  
Reference:

Approvals: Process Plan: RR Date: 11-12-14 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
D350-607-1	A								
100		0.00							
<b>*100*</b>	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile & type labels per PPPD350-607-045 CHG003								
110	Pick Kit	0.00							
<b>*110*</b>									
Packaging	Memo								
Packaging									
120	Small Fab	0.00							
<b>*120*</b>									
Small Fab	Memo	0.00							
Small Fab	Assemble as per Dwg D350-607								

5mb  
13-2-27

per EN 12-603 h

4 forms 13-2-25  
LABEL only

13/2/85

12 13/02/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Page 2

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 Required Date: 1/6/2012 Req'd Qty: 1.00 **\*1\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 <b>*130*</b> QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00 DAS 15 2-23 13.2 25				1			
140 <b>*140*</b> Packaging Packaging	Pick Kit  Memo	0.00 0.00						13/21 25	
150 <b>*150*</b> QC Quality Control	QC4- 100% Inspect kits for completeness  Memo	0.00 0.00 Sm 13.2 27				1			

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Page 3

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 Required Date: 1/6/2012 Req'd Qty: 1.00 **\*1\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Packaging	0.00				(DAS 06 9-89)		13/2/27	87
<b>*160*</b>									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD350-607-045 Location: _____								
170	QC21- Final Inspection - Work Order Release	0.00						13/2/28	87
<b>*170*</b>									
QC	Memo	0.00							
Quality Control									

MLJ 13-02-28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, December 14, 2011 10:40:06 AM

Page 1

Work Order ID: 77658

**\*77658\***

Parent Item: D350-607-045

**\*D350-607-045\***

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:C as per DS19318 06-01-24 JLM  
 IPP Rev:D Ecn1068 07-12-21 DD IPP Rev:E  
 at chg 003 DD 10.02.11 verified by:JLM IPP rev:F as per ecn 10-  
 545 DD 10.04.19 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D350-607-241

Manufactured

No

140

Each

1.0000

1

1

87285

54

**\*D350-607-241\***

Basket Clamp Assembly

SRP

Location

Loc Qty

Loc Code

PKG13

1

75267

1

D2022-101

Manufactured

No

110

Each

56.0000

2

2

86892

**\*D2022-101\***

Spacer

Location

Loc Qty

Loc Code

ST504

56

71840

6

73307

50

D2258-200

Manufactured

No

110

Each

16.0000

1

1

84436

13/2/10

**\*D2258-200\***

Placard 200lb

Location

Loc Qty

Loc Code

ST505

16

71180

9

76656

7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Wednesday, December 14, 2011 10:40:06 AM

Page 2

Work Order ID: 77658

**\*77658\***

Parent Item: D350-607-045

**\*D350-607-045\***

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

D2332-041

Manufactured No

110 Each

8.0000

1

1

**\*D2332-041\***

Lid Prop Assembly 6.69" long

\*\*

89226

Location

Loc Qty

Loc Code

ST512

8

75193

8

D2530

Manufactured No

110 Each

2.0000

1

1

**\*D2530\***

Handle Weldment

\*\*

94474

Location

Loc Qty

Loc Code

ST506

2

74600

2

D2535

Manufactured No

110 Each

34.0000

2

2

**\*D2535\***

Spring

\*\*

86333

Location

Loc Qty

Loc Code

ST504

34

71117

34

D2537

Manufactured No

110 Each

42.0000

2

2

**\*D2537\***

Bushing

\*\*

87524

13/2/15

Location

Loc Qty

Loc Code

ST504

42

73344

11

76088

31

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Wednesday, December 14, 2011 10:40:06 AM

Page 3

Work Order ID: 77658

\*77658\*

Parent Item: D350-607-045

\*D350-607-045\*

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

D2931

Manufactured No

110

Each

542.0000

2

2

\*D2931\*

Bumper

\*\*

Location

Loc Qty

Loc Code

ST504

542

46064

542

D3265-041

Manufactured No

110

Each

0.0000

1

1

\*D3265-041\*

Basket Base Assembly

\*\*

D3266-041

Manufactured No

110

Each

0.0000

1

1

\*D3266-041\*

Basket Lid Assembly

\*\*

AN3-16A

Purchased No

110

Each

125.0000

2

2

\*AN3-16A\*

Bolt

\*\*

Location

Loc Qty

Loc Code

ST352

125

117441

49

118628

76

AN4-7A

Purchased No

110

Each

161.0000

2

2

\*AN4-7A\*

Bolt

\*\*

Location

Loc Qty

Loc Code

ST356

161

117514

161

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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# Picklist Print

Wednesday, December 14, 2011 10:40:07 AM

Page 4

Work Order ID: 77658

**\*77658\***

Parent Item: D350-607-045

**\*D350-607-045\***

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

AN4-22A

Purchased

No

110

Each

198.0000

1

1

**\*AN4-22A\***

Bolt

\*\*

122416 C

Location

Loc Qty

Loc Code

ST359

198

116419

49

117313

49

118628

100

AN4-24A

Purchased

No

110

Each

57.0000

1

1

**\*AN4-24A\***

Bolt

\*\*

124486 C

Location

Loc Qty

Loc Code

ST359

57

117514

57

AN5-17A

Purchased

No

110

Each

112.0000

4

4

**\*AN5-17A\***

Bolt

\*\*

122416 C

Location

Loc Qty

Loc Code

FP001

50

119438

50

ST338

62

117872

42

119449

20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Wednesday, December 14, 2011 10:40:07 AM

Page 5 JW

Work Order ID: 77658

\*77658\*

Parent Item: D350-607-045

\*D350-607-045\*

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

MS20600-AD4W3

Purchased

No

110

Each

1,189.000

2

2

\*MS20600-AD4W3\*

Cherry Rivets

\*\*

122452 Cu

Location

Loc Qty

Loc Code

ST321

1056

111636

36

117505

121

117601

35

118626

864

WA018

133

107939

133

AN960JD416

NAS1149D0463J

Purchased

No

110

Each

0.0000

2

2

\*AN960.ID416\*

Washer

\*\*

124198 Cu

AN960JD416L

NAS1149D0416J

Purchased

No

110

Each

8.0000

2

2

\*AN960.ID416I \*

Washer

\*\*

123741 Cu

Location

Loc Qty

Loc Code

FP002

8

110153

8

AN960JD516

NAS1149D0563J

Purchased

No

110

Each

0.0000

4

4

\*AN960.ID516\*

Washer

\*\*

M122452 Cu

AN960JD8

NAS1149DN832

Purchased

No

110

Each

0.0000

2

2

\*AN960.ID8\*

Washer

\*\*

123900 Cu 13/2/15 ①

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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\*77658\*

Parent Item: D350-607-045

\*D350-607-045\*

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

AN970-4 Purchased No


110 Each

113.0000 4 4

**\*AN970-4\***

Washer

\*\*

12/10/11 

Location

Loc Qty

Loc Code

ST344

112

115936

11

117795

101

ST349

1

116900

1

MS21042L3 Purchased No

110 Each

7,032.000 2 2

**\*MS21042L3\***

Nut

\*\*

123900 

Location

Loc Qty

Loc Code

ST300

7032

117441

16

117885

32

118451

5

118927

3

119017

5994

119075

982

MS21042L4 Purchased No


110 Each

9,264.000 4 4

**\*MS21042L4\***

Nut

\*\*

123248 

Location

Loc Qty

Loc Code

ST300

9264

117441

51

117601

342

118451

133

119017

3738

119075

5000

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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**NOTE:** Date & initial all entries

# Picklist Print

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Wednesday, December 14, 2011 10:40:07 AM

Work Order ID: 77658

**\*77658\***

Parent Item: D350-607-045

**\*D350-607-045\***

Parent Item Name: Heli-Utility-Basket, LH/RH

Start Date: 12/14/2011

Required Date: 1/6/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L5

Purchased

No

120

Each

2,142.000

4

4

**\*MS21042L5\***

Nut

\*\*

*122402*

Location

Loc Qty

Loc Code

ST300

2142

116105

5

116548

43

117611

52

118179

496

118910

46

119109

1500

D2728-3

Manufactured

No

110

Each

0.0000

0

0

**\*D2728-3\***

Dart Logo label

\*\*

*13/2/10*

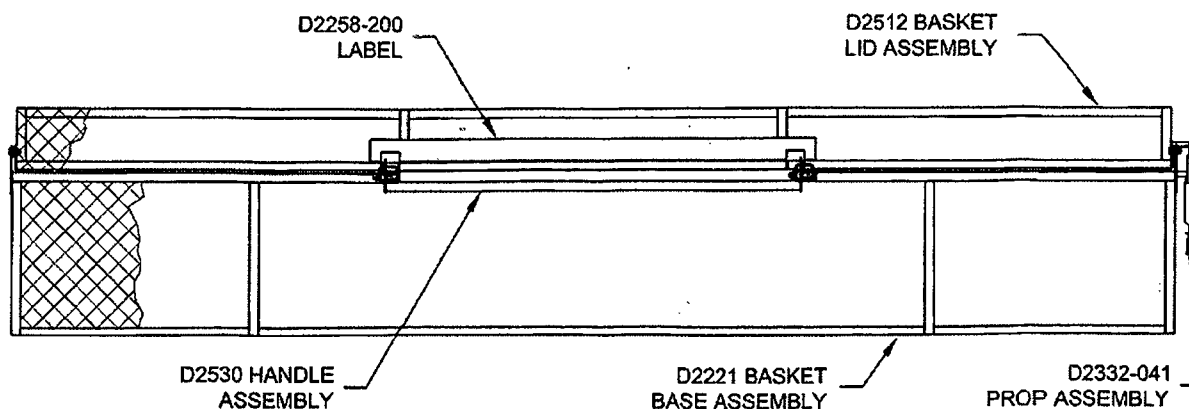
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

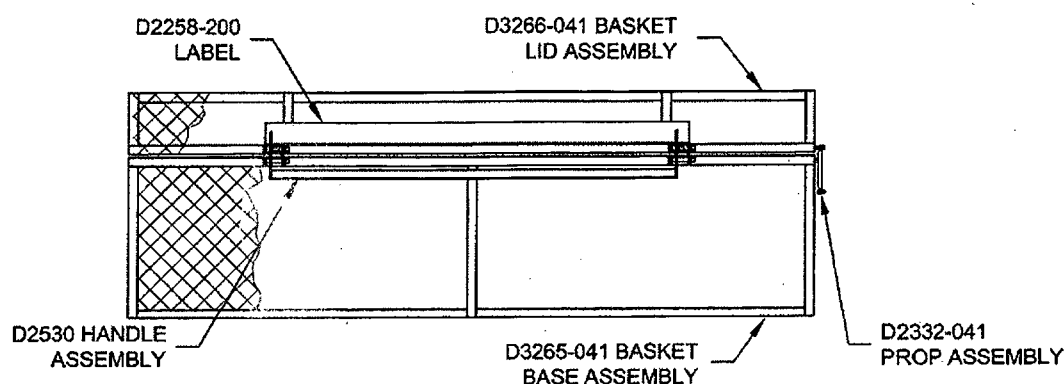
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

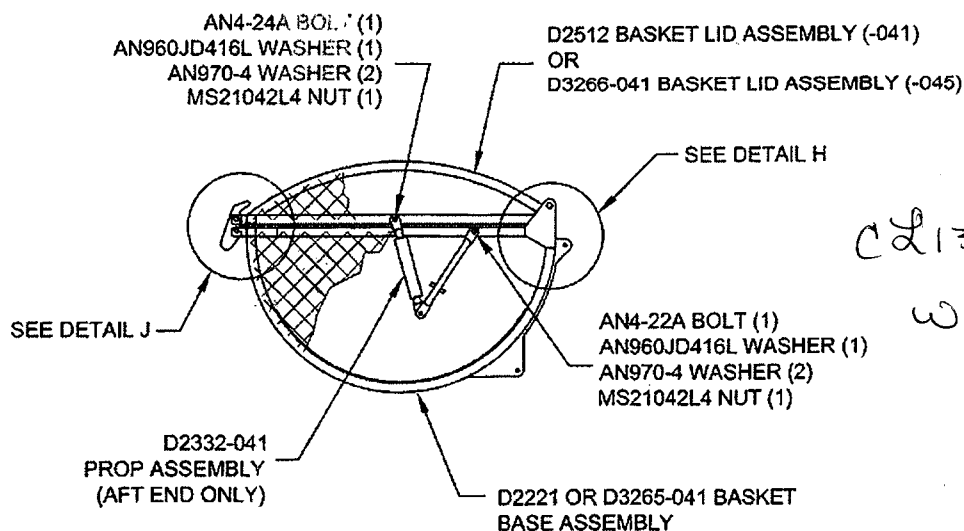
NOTE: Date & initial all entries



**D350-607-041 HELI-UTILITY- BASKET™**



**D350-607-045 HELI-UTILITY- BASKET™**



**VIEW C-C**  
**PROP ARM DETAIL**

**Figure 5 – Basket Replacement Parts**

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Revision: **A**  
Date: 10.03.10

REC'D  
2012  
JAN 11

18

18

(18)

18

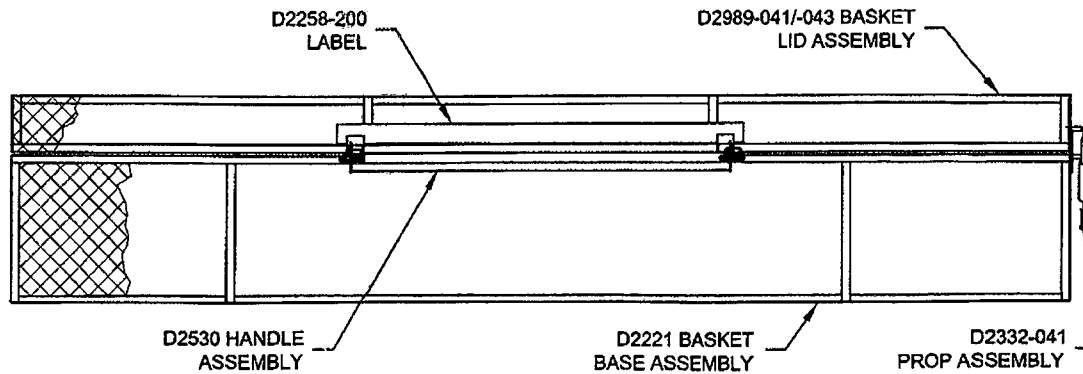
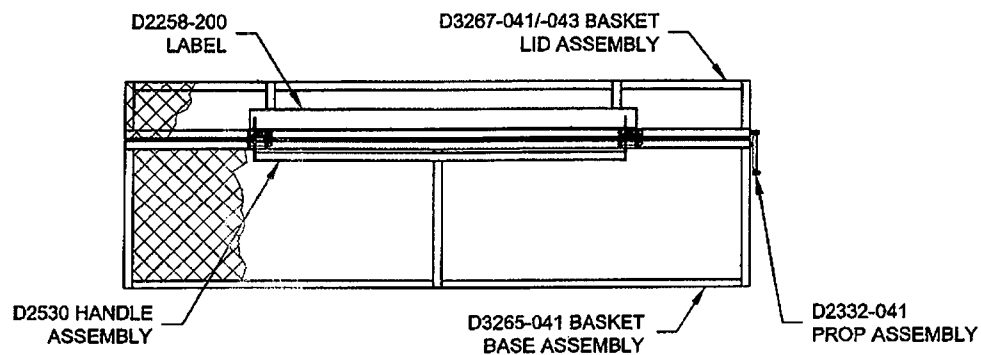
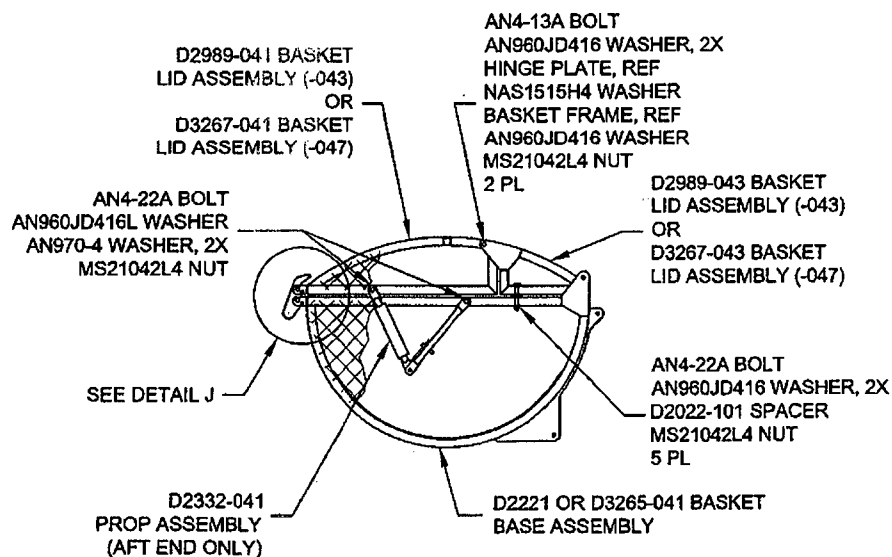
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18

18

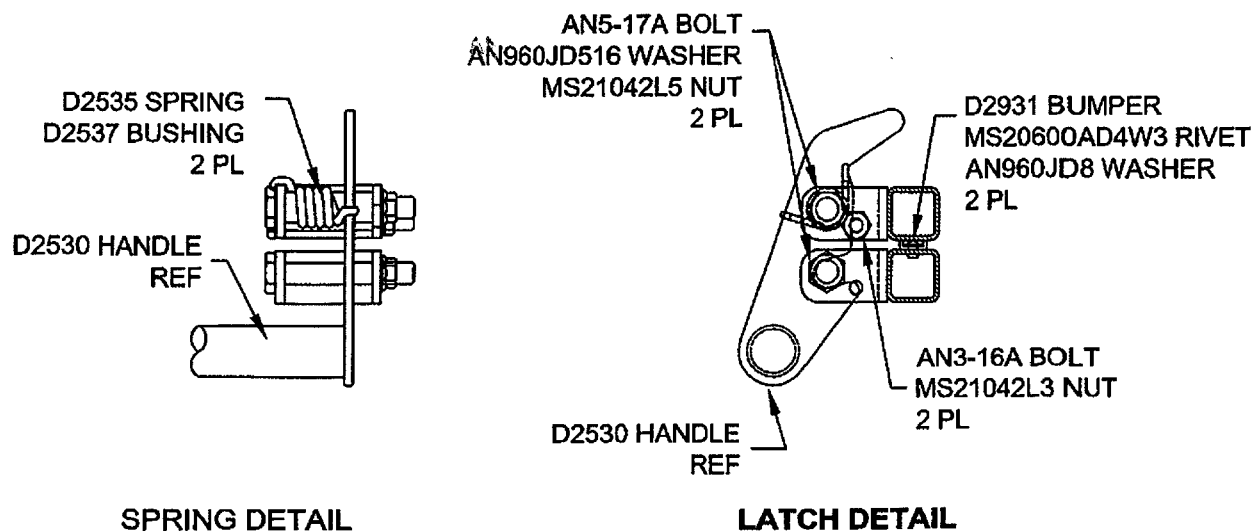
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18

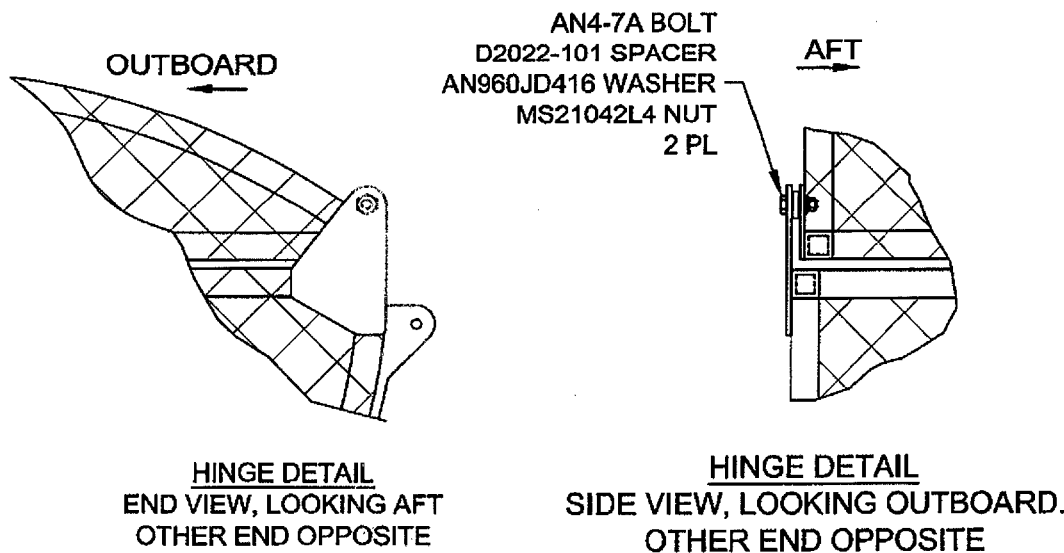
**D350-607-043 HELI-UTILITY- BASKET™****D350-607-047 HELI-UTILITY- BASKET™****VIEW C-C  
PROP ARM DETAIL****Figure 6– Basket Replacement Parts**

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Revision: **A**  
Date: 10.03.10



**DETAIL J:  
HANDLE WELDMENT**



**DETAIL H:  
HINGE**

**Figure 7 – Basket Replacement Parts**

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Date: 10.03.10